

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("4016870").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/08 09:43
S2	2	((("4016870") or ("4182314"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 09:06
S3	28	Shin-Sang-Hoon.in.	US-PGPUB; USPAT	OR	OFF	2007/03/19 09:06
S4	10	Park-Jun-Hyub.in.	US-PGPUB; USPAT	OR	OFF	2007/03/19 09:07
S5	27	Lim-Geun-Bae.in.	US-PGPUB; USPAT	OR	OFF	2007/03/19 09:07
S6	19	Jang-Woo-Young.in.	US-PGPUB; USPAT	OR	OFF	2007/03/19 09:07
S7	3	Gi-Ho-Seong.in.	US-PGPUB; USPAT	OR	OFF	2007/03/19 09:08
S8	76	S3 or S4 or S5 or S6 or S7	US-PGPUB; USPAT	OR	OFF	2007/03/19 09:08
S9	5	US-3784908-\$.DID. OR US-3871359-\$.DID. OR US-3971366-\$.DID. OR US-6292690-\$.DID. OR US-20030176808-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 09:17
S10	1	"20040133121"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 09:17
S11	47	"5810762"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 09:18
S12	1	("5810762").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 09:18
S13	5	US-4895163-\$.DID. OR US-4917093-\$.DID. OR US-5114424-\$.DID. OR US-5372141-\$.DID. OR US-6408204-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 09:20
S14	1	("6631292").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 09:20
S15	13	S9 or S10 or S12 or S13 or S14	US-PGPUB; USPAT	OR	OFF	2007/03/19 09:37

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S16	5	US-3957037-\$.DID. OR US-5246008-\$.DID. OR US-5964703-\$.DID. OR US-20020040193-\$.DID. OR US-20030070942-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 10:58
S17	1	("4578635").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 10:58
S18	5	US-3784908-\$.DID. OR US-3871359-\$.DID. OR US-3971366-\$.DID. OR US-6292690-\$.DID. OR US-20030176808-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 10:58
S19	1	"20040133121"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 10:58
S20	1	("5810762").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 10:58
S21	5	US-4895163-\$.DID. OR US-4917093-\$.DID. OR US-5114424-\$.DID. OR US-5372141-\$.DID. OR US-6408204-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 10:58
S22	1	("6631292").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 10:58
S23	13	S18 or S19 or S20 or S21 or S22	US-PGPUB; USPAT	OR	OFF	2007/03/19 10:58
S24	19	S23 or S16 or S17	US-PGPUB; USPAT	OR	OFF	2007/03/19 10:59
S25	1126	600/547.ccls.	US-PGPUB; USPAT	OR	OFF	2007/03/19 11:24
S26	52	600/548.ccls.	US-PGPUB; USPAT	OR	OFF	2007/03/19 11:24
S27	1168	S25 or S26	US-PGPUB; USPAT	OR	OFF	2007/03/19 11:24
S28	5	S27 and multi-channel and "constant current" and (amplifying or amplifier) and (filtering or filter) and ("control unit" or processor or CPU or PC or "personal computer" or microprocessor)	US-PGPUB; USPAT	OR	OFF	2007/03/19 11:28
S29	16	S27 and "skin impedance" and matrix	US-PGPUB; USPAT	OR	OFF	2007/03/19 11:36
S30	8	S27 and "skin impedance" and grid	US-PGPUB; USPAT	OR	OFF	2007/03/19 11:57

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S31	39	S27 and "skin impedance" and (pattern or arrangement)	US-PGPUB; USPAT	OR	OFF	2007/03/19 12:29
S32	49	("20060074337" "6231584" "5024236" "6267721" "5560746" "5540735" "6783508" "7033381" "7101345" "20040158284" "20040267171" "20050075703" "5947897" "4907601" "5361762" "4621642" "4848357" "5261422" "5507791" "6287765" "5609566" "4632095" "5895418" "5967967" "6074411" "5338290" "5405357" "5529569" "5720046" "5830211" "5950239" "6013096" "6050931" "6183444" "6309375" "20060095087" "5005561" "5417706" "5676684" "6058938" "6058938" "6076018" "4037590" "4106513" "4267838" "4319574" "4320760" "4450846" "4479495" "4769881").pn.	US-PGPUB; USPAT	OR	OFF	2007/03/19 12:56
S33	49	((("20060074337") or ("6231584") or ("5024236") or ("6267721") or ("5560746") or ("5540735") or ("6783508") or ("7033381") or ("7101345") or ("20040158284") or ("20040267171") or ("20050075703") or ("5947897") or ("4907601") or ("5361762") or ("4621642") or ("4848357") or ("5261422") or ("5507791") or ("6287765") or ("5609566") or ("4632095") or ("5895418") or ("5967967") or ("6074411") or ("5338290") or ("5405357") or ("5529569") or ("5720046") or ("5830211") or ("5950239") or ("6013096") or ("6050931") or ("6183444") or ("6309375") or ("20060095087") or ("5005561") or ("5417706") or ("5676684") or ("6058938") or ("6058938") or ("6076018") or ("4037590") or ("4106513") or ("4267838") or ("4319574") or ("4320760") or ("4450846") or ("4479495") or ("4769881"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/19 12:30
S34	42	("micro-electro-mechanical system" with electrode) or "MEMS electrode"	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:00

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S35	28	leeno	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/20 15:52
S36	3	leeno	US-PGPUB; USPAT	OR	OFF	2007/03/20 16:04
S37	1171	"pin electrode" or "pin electrodes"	US-PGPUB; USPAT	OR	OFF	2007/03/20 16:04
S38	321	S37 and spring	US-PGPUB; USPAT	OR	OFF	2007/03/20 16:04
S39	5089	skin near3 (impedance or resistance)	US-PGPUB; USPAT	OR	OFF	2007/03/20 16:14
S40	2	S38 and S39	US-PGPUB; USPAT	OR	OFF	2007/03/20 16:15
S41	33	skin and S38	US-PGPUB; USPAT	OR	OFF	2007/03/20 16:15
S42	1129	600/547.ccls.	US-PGPUB; USPAT	OR	OFF	2007/03/29 09:55
S43	1135	600/547.ccls.	US-PGPUB; USPAT	OR	OFF	2007/05/07 11:25
S44	45	("micro-electro-mechanical system" with electrode) or "MEMS electrode"	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:00
S45	45	S44	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:00
S46	2	S45 and skin	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:00
S47	1180	"pin electrode" or "pin electrodes"	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:04
S48	323	S47 and spring	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:04
S49	5160	skin near3 (impedance or resistance)	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:07
S50	2	S48 and S49	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:09
S51	1136	600/547.ccls.	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:09
S52	105	S51 and "constant current source"	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:20
S53	138039	S52 and ("positive" and "negative") or ("anode" and "cathode")	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:11
S54	26	S52 and (("positive" and "negative") or ("anode" and "cathode"))	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:11

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S55	1	"constant current source" and 600/548.ccls.	US-PGPUB; USPAT	OR	OFF	2007/05/03 15:20
S56	52	600/548.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/04 10:31
S57	106654	constant near5 current	US-PGPUB; USPAT	OR	OFF	2007/05/07 11:26
S58	1006462	array or multi-channel or matrix	US-PGPUB; USPAT	OR	OFF	2007/05/07 11:27
S59	29290	S57 and S58	US-PGPUB; USPAT	OR	OFF	2007/05/07 11:27
S60	1133	600/547.ccls.	US-PGPUB; USPAT	OR	OFF	2007/05/07 11:27
S61	1133	600/547.ccls.	US-PGPUB; USPAT	OR	OFF	2007/05/07 11:27
S62	105	S61 and "constant current source"	US-PGPUB; USPAT	OR	OFF	2007/05/07 11:27
S63	139	S59 and (S60 or S62)	US-PGPUB; USPAT	OR	OFF	2007/05/07 11:28
S64	52	600/548.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/07 11:28
S65	140	S59 and (S60 or S64)	US-PGPUB; USPAT	OR	OFF	2007/05/07 11:33
S66	137	S65 and (impedance or resistance)	US-PGPUB; USPAT	OR	OFF	2007/05/07 11:33
S67	75	S66 and skin	US-PGPUB; USPAT	OR	OFF	2007/05/07 11:34
S68	75	S67 and electrodes	US-PGPUB; USPAT	OR	OFF	2007/05/07 13:03
S69	1	"7203536".pn.	US-PGPUB; USPAT	OR	OFF	2007/05/07 13:03
S70	10	("20010034491" "4548211" "4617939" "4895163" "4949727" "5353802" "5544662" "5560372" "5720296" "6408204").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/07 13:17
S71	0	("7203536").URPN.	USPAT	OR	ON	2007/05/07 14:00
S72	0	20020062090-\$.did.	US-PGPUB; USPAT	OR	ON	2007/05/08 09:43
S73	0	2002/0062090-\$.did.	US-PGPUB; USPAT	OR	ON	2007/05/08 09:44
S74	1	"20020062090"\$.did.	US-PGPUB; USPAT	OR	ON	2007/05/08 09:44



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Time Result

#8 Search micro-electro-mechanical	16:33:08	<u>50</u>
#7 Search micro-electro-mechanical and electrode and (resistance or inductance)	12:50:07	<u>0</u>
#6 Search "J Nanosci Nanotechnol"[Journal]	12:49:26	<u>1493</u>
#5 Search MEMS and electrode and (resistance or inductance)	12:48:50	<u>1</u>
#2 Search MEMS and (resistance or inductance)	12:46:05	<u>14</u>
#1 Search MEMS	12:45:45	<u>449</u>

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MEMS electrode skin inductance OR resistance

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All ResultsDid you mean: **MEMS electrode skin *conductance* OR resistance**[J Yao](#)[S Barker](#)[C Ho](#)[V Varadan](#)[R Elms](#)
Monolithically integrated switched capacitor bank using micro electro mechanical system (MEMS) ... - group of 2 »

JLJ Tham, JL Bartlett, MCF Chang, HO Marcy, D ... - US Patent 5,880,921, 1999 - Google Patents

 ... Ideally the capacitor 14 has no associated **resistance** or **inductance** and the ... in the signal line and to form the **MEMS** capacitor's bottom **electrode**. ...

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Barbed spike arrays for mechanical chip attachment - group of 2 »

 P Griss, P Enoksson, G Stemme - Micro Electro Mechanical Systems, 2001. **MEMS** 2001. The 14th ..., 2001 - [ieeexplore.ieee.org](#)

 ... adapted to the application location on the **skin**. ... G. Stemme, "Spiked Biopotential **Electrodes**," presented at ... Micro Electro Mechanical Systems (**MEMS** 91), Nara ...

[Cited by 4](#) - [Related Articles](#) - [Web Search](#)
RF MEMs variable capacitors for tunable filters - group of 2 »

 CL Goldsmith, A Malczewski, ZJ Yao, S Chen, J ... - International Journal of RF and Microwave Computer-Aided ..., 1999 - [doi.wiley.com](#)

 ... A physically based electrical model of the RF **MEMs** capacitor is shown in ... As the membrane

 and **electrode** are physically thin compared to a **skin** depth at ...

[Cited by 44](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)
The mechanics of microneedles

 SP Davis, MG Allen, MR Prausnitz - Engineering in Medicine and Biology, 2002. 24th Annual ..., 2002 - [ieeexplore.ieee.org](#)

 ... Microneedle, Insertion force, Transdermal drug delivery, **MEMS** I. INTRODUCTION ... and a Ag-AgCl counter **electrode** placed on a section of **skin** stripped of ...

[Web Search](#)
A novel MEMS LC tank for RF voltage controlled oscillator (VCO) - group of 2

»

 S Seok, C Nam, W Choi, SD Choi, K Chün - TRANSDUCERS'01, 2001 - [toshi.fujita3.iis.u-tokyo.ac.jp](#)

 ... The proposed **MEMS** variable capacitor consists of a single ... on the conductor surface by the **skin** effect ... on the pyrex glass substrate to make the tuning **electrode**. ...

[Cited by 5](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)
The design and fabrication of a micro-thermal/pressure-sensor for medical electro-skin application - group of 2 »

JJ Ho - Solid State Electronics, 2002 - Elsevier

 ... element analysis ANSYS 5.3, and the **MEMS** technology to ... ducer strain gauges and the ohmic contact **electrodes**. ... special conditions for the human **skin** and reported ...

[Cited by 3](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

MEMS based transducers for boundary layer control

SM Kumar, WC Reynolds, TW Kenny - ... Electro Mechanical Systems, 1999. **MEMS'99**. Twelfth IEEE ... , 1999 - ieeexplore.ieee.org

... 0/99/\$10.00 ©1999 IEEE 135 **MEMS BASED TRANSDUCERS** ... have been even more successful

with **skin** friction reductions ... on top of the ground **electrode** and patterned. ...

Cited by 10 - [Related Articles](#) - [Web Search](#)

Apparatus and method for micro-electric medical stimulation of cells of living animal tissue - group of 3 »

MA Fulkerson, WE Jacobson, JP Tretter, J Van ... - US Patent 4,738,250, 1988 - Google Patents

... 73] Assignee: **Mems** Technology, Incorporated ... published as paper entitled: "The Healing of Superficial **Skin** Wounds is ... an energized silver-coated **electrode** on dermal ...

Cited by 20 - [Related Articles](#) - [Web Search](#)

Distributed MEMS true-time delay phase shifters and wide-band switches - group of 6 »

S Barker, GM Rebeiz - Microwave Theory and Techniques, IEEE Transactions on, 1998 - ieeexplore.ieee.org

... a thin dielectric layer on the bottom **electrode** to prevent ... line impedance, the spacing of the **MEMS** bridges, the ... loss due to the additional **skin** effect losses ...

Cited by 147 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

MEMS device members having portions that contact a substrate and associated methods of operating - group of 5 »

EA Hill, R Mahadevan - US Patent 6,496,351, 2002 - Google Patents

... that illustrates further embodiments of **MEMS** devices according ... alternate embodiment the substrate **electrode** may comprise ... be several times the **skin** depth of the ...

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Did you mean to search for: **MEMS electrode skin conductance** OR resistance

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